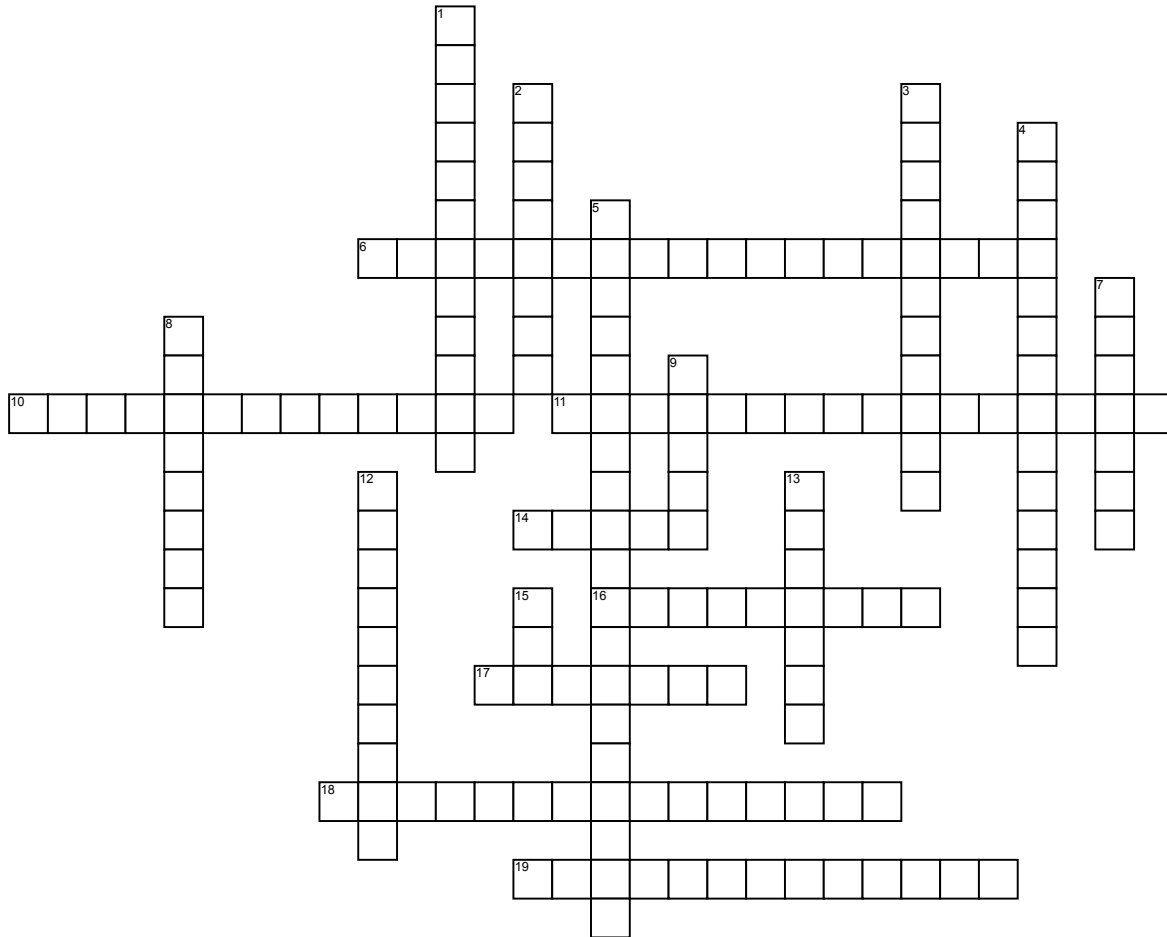


# Cellular Theory #1



## Across

- 6.** Attach to inner or outer surface of membrane  
**10.** Plays important roles in cellular recognition, binding, and lubrication  
**11.** Span the width of the membrane  
**14.** Hydrophobic in the bilayer  
**16.** Organelle inside the nucleus, makes ribosomes  
**17.** Binds a solute and lets it through (Na<sup>+</sup>)

**18.** Nuclear membrane, barrier that separates the nucleus from the rest of the cell

**19.** Organelles built out of protein molecules

## Down

- 1.** openings in the membrane to control going and coming in the nucleus  
**2.** Binds to specific extracellular molecules and lets it through or triggers additional movements (Hormone)  
**3.** Stabilizes cell membrane

**4.** Barrier separating cellular contents from external fluids

**5.** Mark a cell as native or non-native for the immune system

**7.** Lets water and solutes through

**8.** Regulate exchange and structural support

**9.** Hydrophilic in the bilayer

**12.** Organelles built out of phospholipids

**13.** water and solutes inside cells

**15.** Genetic code, provides blueprint